

ABSTRACT OF THE DISCLOSURE

A method and a device for state sensing of a technical system, such as an energy store, in which performance quantities are measured and supplied to a state estimation routine, which  
5 determines the state variables characterizing the current system state using a model based on system-dependent model parameters and the measured performance quantities. To improve state estimation, the measured performance quantities may be supplied to a parameter estimation routine, which performs a  
10 use-dependent determination of the model parameters. To increase the quality of the estimation and reduce the calculating time and the memory requirements, a selection of state variables and/or parameters determined by estimation are performed depending on the dynamic response of the measured  
15 performance quantities.

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